

10/070840

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
HANNS J. BUESCHELBERGER et al. :
Serial No. :
Filed: :
For: OPTICAL FIBER COIL FOR A :
FIBER-OPTIC MEASURING DEVICE: :
AND A METHOD FOR PRODUCING :
IT :

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

In accordance with the duty to disclose information material to the examination of this application as set forth in 37 CFR 1.56, copies of the following publications are submitted herewith:

(1) Article: Ralph Alan Bergh, "All-Fiber Gyroscope With Optical-Kerr-Effect Compensation," G.L. Report No. 3586, Stanford University (1983);

(2) United States patent 4,856,900 (8/15/89);

(3) United States patent 4,781,461 (11/1/88);

(4) European Patent Specification EP 0 614 518 B1
(9/14/94);

(5) German patent publication DE 3632730 C2 (4/7/88);

(6) Article: R. B. Dyott, "Reduction of the Shupe Effect in Fibre Optic Gyros; The Random-Wound Coil," Electronics

Letters, vol. 32, no. 23 (November 7, 1996), pgs. 2177, 2178;

(7) Patent Abstracts of Japan 63-33612 A, P-727, vol. 12, no. 240 (7/8/88);

(8) Patent Abstracts of Japan 1-305310 A, P-1012, vol. 14, no. 101 (2/23/90);

(9) United States patent 5,546,482 (8/13/96);

(10) European Patent Specification EP 0 694 760 B1 (1/31/96);

(11) European Patent Application EP 0 874 219 A2 (10/28/98); and

(12) United States patent 5,917,983 (7/29/99).

Each of documents "1" through "10", and its relevance to the claimed invention, is discussed in the application filed herewith. In addition Documents 2, 5 and 6 were cited in the International Search Report issued in International patent application PCT/EP 01/05414 on October 5, 2001. Each document is cited under category "A" as indicative of the technical background only. This application represents the U.S. national stage of the International application.

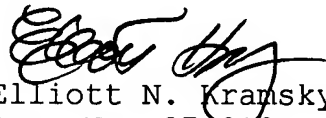
Documents "11" and "12" were cited by the German examiner in an office action issued March 27, 2001 in German patent application 100 33 541.1 from which the present invention

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claims Convention priority. Applicants have a response to the German office action on May 18, 2001. Each of such references is relevant to the claimed invention insofar as it teaches a sensor coil for a fiber optic gyroscope and a method of forming it. Should the Examiner require further information in regard to the

While the art is cited herein in accordance with the Applicants' duty of candor, none of such art, either alone or in combination with any other known prior art is believed to render the invention of the present application unpatentable.

Respectfully submitted,


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U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
L-393

SERIAL NO.

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

APPLICANT
**HANNIS J. BUESCHELBERGER
et al.**

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

Examiner Initial	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	8	5	6	9	0	0		8/15/89	Ivancevic			
	4	7	8	1	4	6	1		11/1/88	Baron et al.			
	5	9	1	7	9	8	3		7/29/99	Page et al.			
	5	5	4	6	4	8	2		8/13/96	Cordova et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	0	6	1	4	5	1	8		9/14/94	Europe				
	3	6	3	2	7	3	0		4/7/88	Germany				
	6	3	3	3	6	1	2		7/8/88	Japan				
	1	3	0	5	3	1	0		2/23/90	Japan				
	0	8	7	4	2	1	9		10/28/98	Europe				
	0	6	9	4	7	6	0		1/31/96	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Bergh, "All-Fiber Gyroscope With Optical-Kerr-Effect Compensation," G.L. Report No. 3586, Stanford University (1983)
		Dyott, "Reduction of the Shupe Effect in Fibre Optic Gyros; The Random-Wound Coil," Electronics Letters, vol. 32, no. 23, (November 7, 1956), pgs. 2177, 2178

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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